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Translation

PATENT COOPERATION TREAT

PCT



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

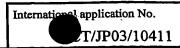
Applicant's or agent's file reference TDK044WO		FOR FURTHER ACT	TION	See Form PCT/IPEA/416			
International application No.		International filing date	(day/month/year)	Priority date (day/month/year)			
	PCT/JP2003/010411	18 August 2003	(18.08.2003)	21 August 2002 (21.08.2002)			
Interna	ational Patent Classification (IPC) or a H05K 13/04	national classification and	IPC .				
Applic	ant	TDK CORPO	RATION				
1.	This report is the international preli Authority under Article 35 and tran	minary examination repor smitted to the applicant ac	t, established by thi cording to Article 3	s International Preliminary Examining 66.			
2.	2. This REPORT consists of a total of3 sheets, including this cover sheet.						
3.	This report is also accompanied by ANNEXES, comprising:						
	a. (sent to the applicant and to the International Bureau) a total of sheets, as follows:						
	and/or sheets con Administrative I sheets which sup beyond the discl Supplemental Bob. (sent to the Internation	ntaining rectifications authorstructions). persede earlier sheets, but osure in the international ox. persede earlier sheets, but osure in the international ox. persede earlier sheets, but osure. production of the supplemental indicated in the supplemental or supplemental indicated in the supplemental or suppleme	which this Authorit application as filed, tal of (indicate ting a sequence listi	the property of the passis of this report and section 607 of the critical section 607			
4.	This report contains indications rel		ns:				
	Box No. I Basis of the	report					
	Box No. II Priority						
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
	Box No. IV Lack of unity of invention						
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
	Box No. VI Certain documents cited						
	Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application						
L	Box No. VIII Certain obse	rvations on the internation	ai application				
Date of submission of the demand			Date of completion	of this report			
	05 March 2004 (05.03	3.2004)	30	0 June 2004 (30.06.2004)			
Name and mailing address of the IPEA/JP			Authorized officer				
Facsimile No.			Telephone No.				



Box No. 1	Basis of the report						
1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.							
This report is based on translations from the original language into the following language, which is language of a translation furnished for the purpose of:							
	international search (under Rules 12.3 and 23.1(b))						
	publication of the international application (under Rule 12.4)						
	international preliminary examination (under Rules 55.2 and/or 55.3)						
fürnisi	regard to the elements of the international application, this report is based on (replacement shed to the receiving Office in response to an invitation under Article 14 are referred to in this report annexed to this report):						
	The international application as originally filed/furnished						
	the description:						
Į.		s originally filed/furnished					
	pages* received by this Authority on pages* received by this Authority on						
	the claims:						
	. •	s originally filed/furnished					
	pages*, as amended (together with any spages* received by this Authority on	statement) under Article 19					
	pages* received by this Authority on						
		•					
	the drawings:	s originally filed/furnished					
	pages , a pages* received by this Authority on	s originally modifications					
	pages* received by this Authority on						
	a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing						
	a sequence fishing and/or any related table(s) — see Supplemental Box Relating to Sequence Disting	•					
	The same decrease have received in the second leading of						
3.	The amendments have resulted in the cancellation of:						
	the description, pages						
	the claims, Nos.						
	the drawings, sheets/figs						
	the sequence listing (specify):						
	any table(s) related to sequence listing (specify):						
4.	This report has been established as if (some of) the amendments annexed to this report and listed made, since they have been considered to go beyond the disclosure as filed, as indicated in (Rule 70.2(c)). the description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify): any table(s) related to sequence listing (specify):	ed below had not been the Supplemental Box					
* If ite	em 4 applies, some or all of those sheets may be marked "superseded."	-					



EPORT ON PATENTABILITY



Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1. Statement							
Novelty (N)	Claims	1-8	YES				
	Claims		NO				
Inventive step (IS)	Claims	4-6, 8	YES				
	Claims	1-3, 7	NO				
Industrial applicability (IA)	Claims	1-8	YES				
	Claims		NO				

2. Citations and explanations (Rule 70.7)

Document 1: JP, 2000-174498, A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.), 23 June 2000 (Family: none)

Document 2: JP, 2000-22396, A (SONY CORPORATION), 21 January 2000 (Family: none)

The subject matter of claims 1-3 and 7 does not involve an inventive step on account of documents 1 and 2 cited in the ISR. Document 1 describes the point about correcting the search operation start position, and document 2 describes the point about correcting the lowering amount each time contact is detected. Performing the correction of document 1 each time contact is detected as described in document 2 would be easy for a person skilled in the art.

The subject matter of claims 4-6 and 8 is not described in any of the documents cited in the ISR and is non-obvious to a person skilled in the art.